Author Index of Volume 192

Abu-Raqabah, A., 31
Aguirre, A., 43
Amadelli, R., 1
Archer, C. M., 59
Asaro, F., 271

Balt, S., 287
Batelaan, J. G., 261
Beno, M. A., 195
Bill, E., 107
Bond, A. H., 163
Bonomi, F., 237
Borrás, J., 129
Bottomley, L. A., 147
Bruni, S., 233
Bünzli, J.-C. G., 201
Butler, I. S., 5

Cameron, J. H. 253
Camus, A., 271
Canovese, L., 283
Carassiti, V., 1
Cariati, F., 233, 237
Casellato, U., 17
Cesarotti, E., 233
Ceulemans, A., 95
Chi-Ming Che, 151
Chiodini, G., 233
Cohen, H., 87
Corfù, N. A., 243
Cotton, F. A., 71
Crisponi, G., 237
Cristiani, F., 237
Czapski, G., 87

Davidson, M. G., 157
Davies, G., 31
Davis, J. D., 157
de Bolster, M. W. G., 287
Debuyst, R., 95
de Graaff, R. A. G., 129
Dejehet, F., 95
Diaz, A., 237
Dilworth, J. R., 59
Driessen, W. L., 219

El-Sayed, M. A., 31

Facchin, G., 283
Faraglia, G., 17
Federov, V. Ye., 153
Fedin, V. P., 153
Fernando, Q., 123
Ferrer, S., 129
Fiol, J. J., 139
Frankenbach, G. M., 195

Gambino, O., 65
García-Granda, S., 43
Gautheron, B., 211
Gerards, L. E. H., 287
Geras'ko, O. A., 153
Gobetto, R., 65
Goldstein, S., 87
Gómez-Beltrán, F., 43
Goodgame, D. M. L., 139
Graziani, R., 17
Griffiths, D. V., 59
Guo, Z., 17

Haasnoot, J. G., 129
Hartl, F., 25
Harvey, H. B., 253
Hiller, W., 59
Hodgson, D. J., 81
Huang, Y., 5
Hughes, J. M., 59

Inoue, M., 123
Inoue, M. B., 123

Jaouen, G., 65
Ji, L.-n., 243
Jones, R. L., 51
Julve, M., 107

Kelly, J. D., 59
King, G. S. D., 95
Kini, A. M., 195
Kubicki, M. M., 211
Kwan, K. S., 81

Lahuerta, P., 43
Laroque, D., 107
Latronico, M., 183, 189

Lin, C.-S., 81
Lipscomb, L. A., 51
Liu, T.-Y., 81
Longato, B., 13

Machi, L., 123
Malachowski, M. R., 157
Maldotti, A., 1
Mandal, S. K., 71
Manotti Lanfredi, A. M., 271
Marsich, N., 271
Mastrorilli, P., 183, 189
Masuda, H., 173
McAuliffe, C. A., 227
Meyerstein, D., 87
Milaeva, E. R., 117
Milicic-Tang, A., 201
Moggi, G., 233
Moreno, V., 139
Morgenstern-Badarau, I., 107
Moro, G., 183, 189
Morton, S., 59

Ndifon, P. T., 227
Neely, F. L., 147
Nervi, C., 65
Nobile, C. F., 183, 189

Ohtaki, H., 173
Osella, D., 65

Pagani, S., 237
Payá, J., 43
Pellizer, G., 271
Peng, S.-M., 9
Peris, E., 43
Peters, J. A., 261
Podberezskaya, N. V., 153
Polo, E., 1
Pozzi, A., 237

Ravera, M., 65
Reedijk, J., 129, 219
Rogers, R. D., 163

Shen-Jye Shieh, 151
Sheppard, R. N., 139
Shie-Ming Peng, 151
Singer, H., 211
Sitran, S., 17
Sokolov, M. N., 153
Song, B., 243
Soutar, I., 253
Speier, G., 117
Steinfeldt, W., 211
Stufkens, D. J., 25

Terrón, A., 139
Thompson, J. E., 195
Tien, H.-J., 81
Trautwein, A. X., 107
Trovó, G., 13

Ugozzoli, F., 271
Uguagliati, P., 283

van Bekkum, H., 261
VanDerveer, D., 51
van Haveren, J., 261
Vanhecke, M., 95
Vanquickenborne, L. G., 95
Verweij, P. D., 219
Vlček, A., Jr., 25
Vicens, M., 139
Virovets, A. V., 153

Waizumi, K., 173
Walton, G., 59
Welp, U., 195
Whangbo, M.-H., 195
Williams, D. J., 51
Williams, J. M., 195
Wilson, J. C., 219
Winkler, H., 107

Yeh, A., 81
You, Y.-S., 9

Zanoni, R., 237
Zanotto, L., 283

Subject Index of Volume 192

Acetonitrile complexes
  interaction between DMSO and lanthanide perchlorates in anhydrous acetonitrile, 201
Alkyl complexes
  cage mechanism for homolytic cleavage of Co–C bond in alkylcobalamins using pressure effects, 287
Allyl complexes
  carbonyl-stabilized phosphonium ylides as ligands; equilibrium studies on reversible formation of $PdCl(\eta^3$-allyl)ylide) species, 283
Ambidentate ligand complexes
  synthesis, crystal structure, and properties of two acetazolamide (5-acetamido-1,3,4-thiadiazole-2-sulfonamide) complexes; bis(5-acetomidato-1,3,4-thiadiazole-2-sulfonamide-*O*)bis(1,2-ethanediamine)Cu(II) and bis(5-acetamidato-1,3,4-thiadiazole-2-sulfonamide-*N*)bis(1,3-propanediamine)Cu(II); unusually weak ambidentate anionic ligand, 129
Amino complexes
  metal ion sequestering by borate–(amino)polyhydroxy oxime systems in aqueous solution; ^{11}B, ^{13}C and ^{113}Cd NMR study, 261
ATP complexes
  metal ion/buffer interactions; stability of binary and ternary metal ion complexes containing anion of *N,N*-bis(2-hydroxyethyl)-glycine (Bicine) and adenosine 5′-triphosphate (ATP), 243

Bicine complexes
  metal ion/buffer interactions; stability of binary and ternary metal ion complexes containing anion of *N,N*-bis(2-hydroxyethyl)-glycine (Bicine) and adenosine 5′-triphosphate (ATP), 243
Bidentate ligand complexes
  heterodinuclear Fe(III) and Cu(II) molecule $Cu(salen)Fe(acac)_2NO_3$ and its Fe precursor $Fe(acac)_2NO$; synthesis, magnetic susceptibility, EPR and Mössbauer investigations, 107
  new Ni(0)–CO_2 complexes with chelating diphosphines; influence of P–Ni–P angle on complex stabilities, 189
  new Ni(0) complexes with bulky diphosphine ligands, 183
Borate complexes
  metal ion sequestering by borate–(amino)polyhydroxy oxime systems in aqueous solution; ^{11}B, ^{13}C and ^{113}Cd NMR study, 261
Boron complexes
  high-pressure vibrational spectroscopic study of Cs decachloroborate, $Cs_2[B_{10}Cl_{10}]$, 5
  metal ion sequestering by borate–(amino)polyhydroxy oxime systems in aqueous solution; ^{11}B, ^{13}C and ^{113}Cd NMR study, 261

Cadmium complexes
  crystallographic studies of Pb(II) and Cd(II) thiocyanate complexes with 1,3-dimethyl-2(3*H*)-imidazolethione, 51
  preparation and characterization of some P-quaternary salts of tetracoordinate halogenozincate(II) and halogenocadmiate(II) anions, 233
  Zn(II) and Cd(II) halide complexes with 2,6-dimethyl-4*H*-pyran-4-thione, 17
Carbon dioxide complexes
  new Ni(0)–CO_2 complexes with chelating diphosphines; influence of P–Ni–P angle on complex stabilities, 189
Carbonyl complexes
  bonding properties of 3,5-di-tert-butyl-1,2-benzosemiquinone radical-anionic ligand; resonance Raman spectra of $Re(CO)_4$(DBSQ) and $Re(CO)_3(PPh_3)$(DBSQ) complexes, 25
  estrogen derivatives of transition metal carbonyl clusters for analytical detection enhancement, 65
Catalysis
  effects of transmetalation on mechanisms of Cu-catalyzed phenolic oxidative coupling reactions, 31
Cesium complexes
  high-pressure vibrational spectroscopic study of Cs decachloroborate, $Cs_2[B_{10}Cl_{10}]$, 5
Chelate complexes
  bis[μ-chloro-dichlorobis(2,6-bis(4-amino-2-thiabutyl)-4-methylphenolato-(N,N^1,S,S^1-μ-O))dicopper(II)-μ-Cl]; dimer of dinuclear Cu(II) complexes containing novel pentadentate ligand, 219
  heterodinuclear Fe(III) and Cu(II) molecule $Cu(salen)Fe(acac)_2NO_3$ and its Fe precursor $Fe(acac)_2NO$; synthesis, magnetic susceptibility, EPR and Mössbauer investigations, 107
  new Ni(0)–CO_2 complexes with chelating diphosphines; influence of P–Ni–P angle on complex stabilities, 189
  new Ni(0) complexes with bulky diphosphine ligands, 183
  orthorhombic symmetry components in ligand field of macrocyclic tetraimine Cu(II) complex, 95
  synthesis and crystal and molecular structure of $[TcBr_2N\{(pyCH_2)_2NCH_2CMe_2SCH_2Ph\}]$ (py = 2-pyridyl) and its behaviour in solution, 59
Chromium complexes
  new Cr(III) complexes of nicotinic acid; D NMR and EPR study, 139
  preparation of nitridomanganese and nitridochromium macrocyclic complexes by complete intermetal nitrogen atom transfer from nitridomanganese octaethylporphyrin, 147
Cluster complexes
  triangular trinuclear clusters of W containing Br atoms as terminal ligands; syntheses and structural characterization of $[W_3S_4Br_3(dmpe)_3][Y]$, where dmpe = 1,2-bis(dimethylphosphino)ethane and $Y^- = Br^-$ or PF_6^-, 71
Cobalamin complexes
  cage mechanism for homolytic cleavage of Co–C bond in alkylcobalamins using pressure effects, 287
Cobalt complexes
  cage mechanism for homolytic cleavage of Co–C bond in alkylcobalamins using pressure effects, 287
  Co tetraphenol-substituted phthalocyanine; spectroscopic study of its redox properties in solution, 117
  X-ray structural studies of $FeBr_2 \cdot 4H_2O$, $CoBr_2 \cdot 4H_2O$, $NiCl_2 \cdot 4H_2O$ and $CuBr_2 \cdot 4H_2O$; *cis/trans* selectivity in transition metal(II) dihalide tetrahydrate, 173

Copper complexes
bis[μ-chloro-dichlorobis(2,6-bis(4-amino-2-thiabutyl)-4-methylphenolato-(N,N^1,S,S^1-μ-O))dicopper(II)-μ-Cl]; dimer of dinuclear Cu(II) complexes containing novel pentadentate ligand, 219
charge transfer in viologen (1,1′-dialkyl-4,4′-bipyridinium ion) salts of cyanocuprate(I), 123
colorless Cu(II) complex of CuO_6 with compressed tetragonal octahedron, 151
deamination of β-alanine induced by hydroxyl radicals and monovalent Cu ions; pulse radiolysis study, 87
effects of transmetalation on mechanisms of Cu-catalyzed phenolic oxidative coupling reactions, 31
heterodinuclear Fe(III) and Cu(II) molecule Cu(salen)Fe(acac)$_2$NO$_3$ and its Fe precursor Fe(acac)$_2$NO$_3$; synthesis, magnetic susceptibility, EPR and Mössbauer investigations, 107
orthorhombic symmetry components in ligand field of macrocyclic tetraimine Cu(II) complex, 95
preparation of Cu(II) complexes derived from novel pyrazole containing dinucleating ligand, 157
structural, electronic and magnetic properties of metal squarate tetrahydrate polymers $Fe(C_4O_4)\cdot 4H_2O$ and $Cu(C_4H_4)\cdot 4H_2O$, 195
synthesis, crystal structure, and properties of two acetazolamide (5-acetamido-1,3,4-thiadiazole-2-sulfonamide) complexes; bis(5-acetamidato-1,3,4-thiadiazole-2-sulfonamide-*O*)bis(1,2-ethanediamine)Cu(II) and bis(5-acetamidato-1,3,4-thiadiazole-2-sulfonamide-*N*)bis(1,3-propanediamine)Cu(II); unusually weak ambidentate anionic ligand, 129
X-ray structural studies of $FeBr_2\cdot 4H_2O$, $CoBr_2\cdot 4H_2O$, $NiCl_2\cdot 4H_2O$ and $CuBr_2\cdot 4H_2$; *cis/trans* selectivity in transition metal(II) dihalide tetrahydrate, 173
Crown ether complexes
of Pb(II) nitrate; crystal structures of 12-crown-4, 15-crown-5, benzo-15-crown-5 and 18-crown-6 complexes, 163
Crystal structure(s)
of [Au(S_2CPh)PPh$_3$], [Au(S_2CPh)(PPh$_3$)$_2$] and [$Au_{0.56}Cu_{0.44}$(S_2C-*p*-tolyl)(PPh$_3$)$_2$], 271
of bis(5-acetamidato-1,3,4-thiadiazole-2-sulfonamide-*O*)bis(1,2-ethanediamine)Cu(II) and bis(5-acetamidato-1,3,4-thiadiazole-2-sulfonamide-*N*)bis(1,3-propanediamine)Cu(II), 129
of bis[μ-chloro-dichlorobis(2,6-bis(4-amino-2-thiabutyl)-4-methylphenolato-(N,N^1,S,S^1-μ-O))dicopper(II)-μ-Cl], 219
of crown ether complexes of Pb(II) nitrate; 12-crown-4, 15-crown-5, benzo-15-crown-5 and 18-crown-6, 163
of [cyclopentadienyl–Fe(II)–η^6-octamethylnaphthalene]PF$_6$, 211
of $FeBr_2\cdot 4H_2O$, $CoBr_2\cdot 4H_2O$, $NiCl_2\cdot 4H_2O$ and $CuBr_2\cdot 4H_2O$, 173
of [Fe(II)($C_{18}H_{18}N_6$)($C_{12}H_8N_2$)](ClO$_4$)$_2$, 9
of $Fe(C_4O_4)\cdot 4H_2O$ and $Cu(C_4O_4)\cdot 4H_2O$, 195
of [Mo_3S_7(S_2CNEt$_2$)$_3$]Cl, 153
of Pb(II) and Cd(II) thiocyanate complexes with 1,3-dimethyl-2(3*H*)-imidazolethione, 51
of $Rh_2(O_2CCH_3)_2[(C_6H_4)P(C_6H_5)_2][(p\text{-}ClC_6H_3)P(p\text{-}ClC_6H_4)_2]\cdot(HO_2CCH_3)_2\cdot\frac{1}{2}(C_6H_6)$, 43
of [$TcBr_2N$\{(pyCH_2)$_2$NCH_2CMe_2SCH_2Ph\}] (py = 2-pyridyl), 59
of [$W_3S_4Br_3$(dmpe)$_3$][Y], where dmpe = 1,2-bis(dimethylphosphino)ethane and $Y^- = Br^-$ or PF_6^-, 71
Zn(II) and Cd(II) halide complexes with 2,6-dimethyl-4*H*-pyran-4-thione, 17
Cyanide complexes
charge transfer in viologen (1,1′-dialkyl-4,4′-bipyridinium ion) salts of cyanocuprate(I), 123
3-(3′-pyridyl)sydnone complex of pentacyanoferrate(II), 81

Dimethyl sulfoxide complexes
interaction between DMSO and lanthanide perchlorates in anhydrous acetonitrile, 201
Dinuclear complexes
reactions of dirhodium(II) monometallated compounds with phosphines; factors affecting reactivity and structure of doubly-metallated compounds; molecular structure of $Rh_2(O_2CCH_3)_2[(C_6H_4)P(C_6H_5)_2][p\text{-}ClC_6H_3)P(p\text{-}ClC_6H_4)_2]\cdot(HO_2CCH_3)_2\cdot\frac{1}{2}(C_6H_6)$, compound with two different metallated phosphines, 43
Dithiocarbamato complexes
diethyldithiocarbamate triangular thio complexes of Mo; synthesis and X-ray structural study of [Mo_3S_7(S_2CNEt$_2$)$_3$]Cl, 153
Dithiocarboxylate complexes
two- and four-coordinated Au(I) complexes with aryldithiocarboxylates and triphenylphosphine; X-ray diffraction crystal structure of [Au(S_2CPh)PPh$_3$], [Au(S_2CPh)(PPh$_3$)$_2$] and [$Au_{0.56}Cu_{0.44}$(S_2C-*p*-tolyl)(PPh$_3$)$_2$] complexes; NMR investigations of [Au(S_2CAr)(PPh$_3$)$_n$] (n = 1, 2) compounds in solution, 271

Estrogen complexes
estrogen derivatives of transition metal carbonyl clusters for analytical detection enhancement, 65

Gold complexes
two- and four-coordinated Au(I) complexes with aryldithiocarboxylates and triphenylphosphine; X-ray diffraction crystal structure of [Au(S_2CPh)PPh$_3$], [Au(S_2CPh)(PPh$_3$)$_2$] and [$Au_{0.56}Cu_{0.44}$(S_2C-*p*-tolyl)(PPh$_3$)$_2$] complexes; NMR investigations of [Au(S_2CAr)(PPh$_3$)$_n$] (n = 1, 2) compounds in solution, 271

Halide complexes
high-pressure vibrational spectroscopic study of Cs decachloroborate, $Cs_2[B_{10}Cl_{10}]$, 5
preparation and characterization of some P-quaternary salts of tetracoordinate halogenozincate(II) and halogenocadmiate(II) anions, 233
synthesis of Mn(bR_3Pc)$_n X_2$ (bR_3Pc = tetramethyl-2-butenediylidenebis(triorganophosphorane)-1,2,3,4-tetracarboxylate; n = 1 or 2) complexes from reaction of Mn(phosphine)$_n X_2$ (X = I, NCS) with dma (dma = dimethylacetylenedicarboxylate) or reaction of MnX_2 with bR_3Pc, 227
X-ray structural studies of $FeBr_2\cdot 4H_2O$, $CoBr_2\cdot 4H_2O$, $NiCl_2\cdot 4H_2O$ and $CuBr_2\cdot 4H_2O$; *cis/trans* selectivity in transition metal(II) dihalide tetrahydrate, 173
Zn(II) and Cd(II) halide complexes with 2,6-dimethyl-4*H*-pyran-4-thione, 17
Heterocyclic ligand complexes
Zn(II) and Cd(II) halide complexes with 2,6-dimethyl-4*H*-pyran-4-thione, 17
Hydroxyl radical complexes
deamination of β-alanine induced by hydroxyl radicals and monovalent Cu ions; pulse radiolysis study, 87

Iron complexes
bending of completely conjugated planar macrocyclic Fe(II) complex by 1,10-phenanthroline; crystal structure of $[Fe(II)(C_{18}H_{18}N_6)(C_{12}H_8N_2)](ClO_4)_2$, 9
entrapping of Fe(III) porphyrins in polystyrene matrix and their photocatalytic activity in oxidation reactions by molecular oxygen, 1
Fe(II) complexes of naphthalenes; X-ray structure of [cyclopentadienyl–Fe(II)–η^6-octamethylnaphthalene]PF_6, 211
heterodinuclear Fe(III) and Cu(II) molecule $Cu(salen)Fe(acac)_2NO_3$ and its Fe precursor $Fe(acac)_2NO_3$; synthesis, magnetic susceptibility, EPR and Mössbauer investigations, 107
3-(3′-pyridyl)sydnone complex of pentacyanoferrate(II), 81
structural, electronic and magnetic properties of metal squarate tetrahydrate polymers $Fe(C_4O_4)\cdot 4H_2O$ and $Cu(C_4O_4)\cdot 4H_2O$, 195
X-ray structural studies of $FeBr_2\cdot 4H_2O$, $CoBr_2\cdot 4H_2O$, $NiCl_2\cdot 4H_2O$ and $CuBr_2\cdot 4H_2O$; *cis/trans* selectivity in transition metal(II) dihalide tetrahydrate, 173

Kinetics and mechanism
cage mechanism for homolytic cleavage of Co–C bond in alkylcobalamins using pressure effects, 287
carbonyl-stabilized phosphonium ylides as ligands; equilibrium studies on reversible formation of $PdCl(\eta^3$-allyl)(ylide) species, 283
deamination of β-alanine induced by hydroxyl radicals and monovalent Cu ions; pulse radiolysis study, 87
effects of transmetalation on mechanisms of Cu-catalyzed phenolic oxidative coupling reactions, 31
3-(3′-pyridyl)sydnone complex of pentacyanoferrate(II), 81

Lanthanide complexes
interaction between DMSO and lanthanide perchlorates in anhydrous acetonitrile, 201
Lead complexes
crown ether complexes of Pb(II) nitrate; crystal structures of 12-crown-4, 15-crown-5, benzo-15-crown-5 and 18-crown-6 complexes, 163
crystallographic studies of Pb(II) and Cd(II) thiocyanate complexes with 1,3-dimethyl-2(3*H*)-imidazolethione, 51

Macrocyclic ligand complexes
bending of completely conjugated planar macrocyclic Fe(II) complex by 1,10-phenanthroline; crystal structure of $[Fe(II)(C_{18}H_{18}N_6)(C_{12}H_8N_2)](ClO_4)_2$, 9
orthorhombic symmetry components in ligand field of macrocyclic tetraimine Cu(II) complex, 95
preparation and characterisation of some new asymmetric tetraazamacrocyclic complexes of Ni(II), 253
Magnetism
structural, electronic and magnetic properties of metal squarate tetrahydrate polymers $Fe(C_4O_4)\cdot 4H_2O$ and $Cu(C_4O_4)\cdot 4H_2O$, 195
Manganese complexes
preparation of nitrodomanganese and nitridochromium macrocyclic complexes by complete intermetal nitrogen atom transfer from nitridomanganese octaethylporphyrin, 147
synthesis of $Mn(bR_3Pc)_nX_2$ (bR_3Pc = tetramethyl-2-butenediylidenebis(triorganophosphorane)-1,2,3,4-tetracarboxylate; n = 1 or 2) complexes from reaction of $Mn(phosphine)_nX_2$ (X = I, NCS) with dma (dma = dimethylacetylenedicarboxylate) or reaction of MnX_2 with bR_3Pc, 227
Metal complexes
metal ion/buffer interactions; stability of binary and ternary metal ion complexes containing anion of *N,N*-bis(2-hydroxyethyl)-glycine (Bicine) and adenosine 5′-triphosphate (ATP), 243
synthesis and characterization of metal derivatives of dihydrolipoic acid and dihydrolipoamide, 237
Molybdenum complexes
diethyldithiocarbamate triangular thio complexes of Mo; synthesis and X-ray structural study of $[Mo_3S_7(S_2CNEt_2)_3]Cl$, 153

Naphthalene complexes
Fe(II) complexes of naphthalenes; X-ray structure of [cyclopentadienyl–Fe(II)–η^6-octamethylnaphthalene]PF_6, 211
Nickel complexes
new Ni(0)–CO_2 complexes with chelating diphosphines; influence of P–Ni–P angle on complex stabilities, 189
new Ni(0) complexes with bulky diphosphine ligands, 183
preparation and characterisation of some new asymmetric tetraaza macrocyclic complexes of Ni(II), 253
X-ray structural studies of $FeBr_2\cdot 4H_2O$, $CoBr_2\cdot 4H_2O$, $NiCl_2\cdot 4H_2O$ and $CuBr_2\cdot 4H_2O$; *cis/trans* selectivity in transition metal(II) dihalide tetrahydrate, 173
Nicotinic acid complexes
some new Cr(III) complexes of nicotinic acid; D NMR and EPR study, 139
Nitrido complexes
preparation of nitridomanganese and nitridochromium macrocyclic complexes by complete intermetal nitrogen atom transfer from nitridomanganese octaethylporphyrin, 147
Nucleobase complexes
phosphine analogues of 'cisplatin'; pyrimidyl nucleobase Pt(II) complexes stabilized by trimethylphosphine; synthesis and characterization, 13

Palladium complexes
carbonyl-stabilized phosphonium ylides as ligands; equilibrium studies on reversible formation of $PdCl(\eta^3$-allyl)(ylide) species, 283
Perchlorate complexes
interaction between DMSO and lanthanide perchlorates in anhydrous acetonitrile, 201
Phenol complexes
effects of transmetalation on mechanism of Cu-catalyzed phenolic oxidative coupling reactions, 31
Phosphine complexes
phosphine analogues of 'cisplatin'; pyrimidyl nucleobase Pt(II) complexes stabilized by trimethylphosphine; synthesis and characterization, 13
reactions of dirhodium(II) monometallated compounds with phosphines; factors affecting reactivity and structure of doubly-metallated compounds; molecular structure of $Rh_2(O_2CCH_3)_2[(C_6H_4)P(C_6H_5)_2][(p\text{-}ClC_6H_3)P(p\text{-}ClC_6H_4)_2]\cdot(HO_2CCH_3)_2\cdot\frac{1}{2}(C_6H_6)$, compound with two different metallated phosphines, 43
synthesis of $Mn(bR_3Pc)_nX_2$ (bR_3Pc = tetramethyl-2-butenediylidenebis(triorganophosphorane-1,2,3,4-tetracarboxylate; n = 1 or 2) complexes from reaction of $Mn(phosphine)_nX_2$ (X = I, NCS) with dma (dma = dimethylacetylenedicarboxylate) or reaction of MnX_2 with bR_3Pc, 227
Phosphonium complexes
preparation and characterization of some P-quaternary

salts of tetracoordinate halogenozincate(II) and halogenocadmiate(II) anions, 233
Phosphonium ylide complexes
carbonyl-stabilized phosphonium ylides as ligands; equilibrium studies on reversible formation of $PdCl(\eta^3$-allyl)(ylide) species, 283
Photocatalysis
entrapping of Fe(III) porphyrins in polystyrene matrix and their photocatalytic activity in oxidation reactions by molecular oxygen, 1
Phthalocyanine complexes
Co tetraphenol-substituted phthalocyanine; spectroscopic study of its redox properties in solution, 117
Platinum complexes
phosphine analogues of 'cisplatin'; pyrimidyl nucleobase Pt(II) complexes stabilized by trimethylphosphine; synthesis and characterization, 13
Polydentate ligand complexes
bis[μ-chloro-dichlorobis(2,6-bis(4-amino-2-thiabutyl)-4-methylphenolato-(N,N',S,S^1-μ-O))dicopper(II)-μ-Cl]; dimer of dinuclear Cu(II) complexes containing novel pentadentate ligand, 219
colorless Cu(II) complex of CuO_6 with compressed tetragonal octahedron, 151
preparation of Cu(II) complexes derived from novel pyrazole containing dinucleating ligand, 157
3-(3′-pyridyl)sydnone complex of pentacyanoferrate(II), 81
synthesis and crystal and molecular structure of $[TcBrN\{(pyCH_2)_2NCH_2CMe_2SCH_2Ph\}]$ (py = pyridyl) and its behaviour in solution, 59
Polyhydroxyoxime complexes
metal ion sequestering by borate–(amino)polyhydroxy oxime systems in aqueous solution; ^{11}B, ^{13}C and ^{113}Cd NMR study, 261
Polymer complexes
structural, electronic and magnetic properties of metal squarate tetrahydrate polymers $Fe(C_4O_4)\cdot 4H_2O$ and $Cu(C_4O_4)\cdot 4H_2O$, 195
Polystyrene matrix complexes
entrapping of Fe(III) porphyrins in polystyrene matrix and their photocatalytic activity in oxidation reactions by molecular oxygen, 1
Porphyrin complexes
entrapping of Fe(III) porphyrins in polystyrene matrix and their photocatalytic activity in oxidation reactions by molecular oxygen, 1
preparation of nitridomanganese and nitridochromium macrocyclic complexes by complete intermetal nitrogen atom transfer from nitridomanganese octaethylporphyrin, 147

Radical ligand complexes
bonding properties of 3,5-di-tert-butyl-1,2-benzosemiquinone radical-anionic ligand; resonance Raman spectra of $Re(CO)_4$(DBSQ) and $Re(CO)_3(PPh_3)$(DBSQ) complexes, 25
Radiolysis
deamination of β-alanine induced by hydroxyl radicals and monovalent Cu ions; pulse radiolysis study, 87
Rhenium complexes
bonding properties of 3,5-di-tert-butyl-1,2-benzosemiquinone radical-anionic ligand; resonance Raman spectra of $Re(CO)_4$(DBSQ) and $Re(CO)_3(PPh_3)$(DBSQ) complexes, 25
Rhodium complexes
reactions of dirhodium(II) monometallated compounds with phosphines; factors affecting reactivity and structure of doubly-metallated compounds; molecular structure of $Rh_2(O_2CCH_3)_2[(C_6H_4)P(C_6H_5)_2][(p\text{-}ClC_6H_3)P(p\text{-}ClC_6H_4)_2]\cdot(HO_2CCH_3)_2\cdot\frac{1}{2}(C_6H_6)$, compound with two different metallated phosphines, 43

Squarate complexes
structural, electronic and magnetic properties of metal squarate tetrahydrate polymers $Fe(C_4O_4)\cdot 4H_2O$ and $Cu(C_4O_4)\cdot 4H_2O$, 195
Sulfur complexes
triangular trinuclear clusters of W containing Br atoms as terminal ligands; syntheses and structural characterizations of $[W_3S_4Br_3(dmpe)_3][Y]$, where dmpe = 1,2-bis(dimethylphosphino)ethane and $Y^- = Br^-$ or PF_6^-, 71
Sulfur ligand complexes
synthesis and characterization of metal derivatives of dihydrolipoic acid and dihydrolipoamide, 237

Technetium complexes
synthesis and crystal and molecular structure of $[TcBr_2N\{(pyCH_2)_2NCH_2CMe_2SCH_2Ph\}]$ (py = 2-pyridyl) and its behaviour in solution, 59
Thiocyanate complexes
crystallographic studies of Pb(II) and Cd(II) thiocyanate complexes with 1,3-dimethyl-2(3*H*)-imidazolethione, 51
Thiourea complexes
crystallographic studies of Pb(II) and Cd(II) thiocyanate complexes with 1,3-dimethyl-2(3*H*)-imidazolethione, 51
Transition metal complexes
estrogen derivatives of transition metal carbonyl clusters for analytical detection enhancement, 65
Transmetalation
effects of transmetalation on mechanisms of Cu-catalyzed phenolic oxidative coupling reactions, 31
Trinuclear complexes
diethyldithiocarbamate triangular thio complexes of Mo; synthesis and X-ray structural study of $[Mo_3S_7(S_2CNEt_2)_3]Cl$, 153
Tungsten complexes
triangular trinuclear clusters of W containing Br atoms as terminal ligands; syntheses and structural characterizations of $[W_3S_4Br_3(dmpe)_3][Y]$, where dmpe = 1,2-bis(dimethylphosphino)ethane and $Y^- = Br^-$ or PF_6^-, 71

Vibrational spectroscopy
high-pressure vibrational spectroscopic study of Cs decachloroborate, $Cs_2[B_{10}Cl_{10}]$, 5

Zinc complexes
preparation and characterization of some P-quaternary salts of tetracoordinate halogenzincate(II) and halogencadmiate(II) anions, 233
Zn(II) and Cd(II) complexes with 2,6-dimethyl-4*H*-pyran-4-thione, 17